

IN THE CLAIMS:

Please add the following new claims:

-- 43. An ultrasonic surgical system capable of use with a plurality of different hand-held surgical devices, each device having an ultrasonic transducer incorporated therein, the system including:

a control center; and

5 a plurality of coupling devices that connect the control center with the surgical devices to be used with the system;

the control center being comprised of:

a drive unit that provides drive signals for the ultrasonic transducers in the surgical devices;

10 a signal output device which provides the drive signal to a selected one of the coupling devices;

a first control unit for the drive unit;

a second control unit for the signal output device; and

15 a first input device connected to the second control unit, the first input device being operative to select the coupling device to which the drive signal is provided,

the coupling devices cooperating with the respective surgical devices to provide a first signal path for connecting the drive signal to the transducer.

44. The ultrasonic surgical system described in claim 43, further including a control switch associated with each hand-held surgical device; and

5 wherein the coupling devices provide a second signal path for connecting the control switches associated with the surgical units to the first input device;

the second control unit being operative in response to actuation of the control switch associated with a particular one of the surgical units to provide the drive

signal from the signal output device to the coupling device for the particular surgical unit.

45. The ultrasonic surgical system described in claim 43, further including a second input device connected to the first control unit, the second input device being operative to provide operating parameter settings associated with different surgical devices for use by the drive unit; the drive unit being operative in response to the parameter settings to provide suitable drive signals for the respective ultrasonic transducers.

46. The ultrasonic surgical system described in claim 45, wherein the parameter settings include settings for one or more of power output and ultrasonic frequency for the respective transducers.

47. The ultrasonic surgical system described in claim 45, wherein the second input device includes a interface for receiving manually entered parameter settings.

48. The ultrasonic surgical system described in claim 44, further including a selector device associated with the first input device, the selector device being operative to select the coupling device to which the drive signal to be provided upon actuation of the control switch for the associated surgical unit.

49. The ultrasonic surgical system described in claim 43, further including a selector device associated with the first input device for actuating the second input device to select the coupling device to which the drive signal is provided.

50. The ultrasonic surgical system described in claim 43, in which the coupling device releasably connects the individual surgical devices to the control center.

51. The ultrasonic surgical system described in claim 43, further including:

a hand-held perfusion/suction surgical device;

a first auxiliary perfusing unit which supplies a fluid to the perfusion/suction ultrasonic surgical device through a fluid supply tube;

a second auxiliary suction unit which removes waste matter from a site at which treatment is being performed by the perfusion/suction surgical device through a suction tube; and

a third control unit for operating the drive unit and at least one of the first and second auxiliary units together when the perfusion/suction surgical device is in use.

52. The ultrasonic surgical system described in claim 51, wherein:

the first auxiliary unit includes a perfusion pump and a first controller for the perfusion pump, the first controller being operative in response to signals from the third control unit;

the second auxiliary unit includes a suction pump and a second controller for the suction pump, the second controller being operative in response to signals from the third control unit; and further including:

a third input device connected to the third control unit, the third input device being operative to provide operating parameter settings for the perfusion and suction pumps.

53. The ultrasonic surgical system described in claim 52, wherein the operating parameter settings for the perfusion and suction pumps include fluid output level for the perfusion pump and suction pressure for the suction pump.

54. The ultrasonic surgical system described in claim 52, wherein the third input device includes a interface for receiving manually entered parameter settings.